

# ARDIT CONSTRUCTION GROUT



DUNLOP ARDIT CONSTRUCTION GROUT is a general purpose high strength grout that can be mixed to a non-slump or flowable mix suitable for a wide range of projects. The cement-based formulation is suitable for applications where shrinkage is not tolerated and high compressive and flexural strength is required. Compressive strength of 45MPa is achieved after 7 days and 65MPa after 28 days. Available in 5kg and 20kg bags.

## TYPICAL APPLICATIONS

For grouting of:

- Machine bases
- Column bases (steel and precast concrete)
- Anchor bolts
- Precast panels
- Underpinning
- Conveyor supports; and similar grouting applications.

## SURFACE PREPARATION

In general, the surface being grouted must be free of dust, dirt, oil, grease, curing compounds, release agents and other barrier materials.

It is recommended to wet the surface with water for approximately 2 hours prior to grouting. Remove excess freestanding water on the surfaces prior to grouting.

## MIXING

### Non-slump Mix

Mix 20kg powder with approximately 2 - 3L clean water.

Mix 5kg powder with approximately 500 - 750mL clean water.

### Flowable Mix

Mix 20kg powder with approximately 4L clean water.

Mix 5kg powder with approximately 1L clean water.

Mixing ratio can be slightly varied to achieve the right consistency for the job. Always ensure the DUNLOP ARDIT CONSTRUCTION GROUT powder is added to the water during mixing.

Use an electric type mixer as hand mixing is not suitable. Allow for approximately 3 minutes of mixing to achieve optimum mix results. The mix should be used within 30-45 minutes of mixing. After this time, discard any mix that shows signs of stiffening. Do not remix.

Do not apply in temperatures below 10°C or above 35°C. It is strongly recommended that a small trial batch is tested to determine the best mix consistency for the project at hand.

## APPLICATION TECHNIQUES

### Flowable Consistency

DUNLOP ARDIT CONSTRUCTION GROUT may be applied with grouting equipment or may be trowelled into place in constrained areas. A flowable mix should be used for vertical holes that require filling

### Non-Slump Mix

Firmly press the non-slump mix into place using metal or hardwood tamping tools and suitable trowel equipment. Do not vibrate into position as this may cause segregation of the mix.

This mix should be used for horizontal hole applications. Ensure that an adequate bond is achieved between the mix and the bolt or rod by pushing and pulling back on the rod several times.

## COVERAGE

Water addition per 20kg bag	3L	4L
Yield (L)	11.2L	12.0L
Kg/m <sup>3</sup>	2056	2000
Bags per m <sup>3</sup>	90	84

Water addition per 5kg bag	750mL	1L
Yield (L)	2.8L	3.0L
Kg/m <sup>3</sup>	2056	2000
Bags per m <sup>3</sup>	360	336

## PRECAUTIONS

Do not add additional water to the specified amount. Apply grout in a continuous operation, even in large areas ensuring the product does not exceed the 45 minute pot life.

DUNLOP ARDIT CONSTRUCTION GROUT is suitable for applications between 5mm and 100mm.

Keep unrestrained areas to a minimum as this will reduce the final compressive strength of the mix.

Cure time and set will be extended when applied at temperatures lower than 10°C, and accelerated at temperatures above 30°C.



# ARDIT CONSTRUCTION GROUT

## **CLEAN UP**

Clean all materials and equipment with clean water immediately after use.

## **STORAGE**

Shelf life of 12 months when kept in a cool dry place, away from any moisture.

## **SAFETY**

DUNLOP ARDIT CONSTRUCTION GROUT contains cement and to avoid skin irritation, wear gloves. If skin contact does occur, wash with soapy water. Remove any adhering solids with skin cleansing creams and in the event of irritation, seek medical attention.

If material enters the eyes, rinse with plenty of water for at least 15 minutes and seek medical advice. If swallowed, do not induce vomiting, get patient to drink as much water as possible and seek medical advice. Material Safety Data Sheet is available on the Dunlop website at [dunloptrade.com.au](http://dunloptrade.com.au)

## **10 YEAR GUARANTEE**

ARDEX Australia Pty Ltd ("we" or "us") guarantees this product (also referred to as "our goods") is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of application of the product if such application occurs within this product's specified shelf life. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or the cost of such replacement or repair, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow our published instructions or any act or circumstance beyond our control, including shade variations and efflorescence and faulty workmanship on the part of any installer or applicator of the product. If you wish to make a claim under this guarantee you must notify us (address: 10 Giba Drive, Kemp's Creek NSW 2178; phone: 1800 222 841; email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)), identify the product and provide evidence of your purchase and the subsequent application of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage and to undertake any inspections and tests necessary to establish your rights

under this guarantee. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a "consumer" under the Australian Consumer Law and to that extent you need to be aware that: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure". TOLL FREE SERVICE 1800 222 841 (Aust) 0800 224 070 (NZ).

## **DISCLAIMER**

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system being employed and other products in that system. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

This datasheet was issued in April 2024 and is valid for 3 years, unless updated sooner. Always refer to [dunloptrade.com.au](http://dunloptrade.com.au) for the latest technical data from ARDEX Australia Pty. Ltd.